

Public Information Meeting

Replacement of Bridge No. 01023

Route 57 over West Branch of the Saugatuck River

Weston, Connecticut



CTDOT Design Team

Bureau of Engineering and Construction

Project Manager: Mr. Louis D. Bacho

Contact: Ms. Mary E. Baker

Consultant Liaison: Close, Jensen and Miller, P.C.

Contact: Mr. Michael F. Woods

Design Engineer: Stantec Consulting Services, Inc.

Contact: Mr. Andrew Lessard P.E.



Roles and Responsibilities

CTDOT

- Responsible for engineering design, construction, and inspection of transportation projects

Close, Jensen and Miller

- Liaison to CTDOT and responsible for supervision and coordination of activities related to design

Stantec Consulting Engineers

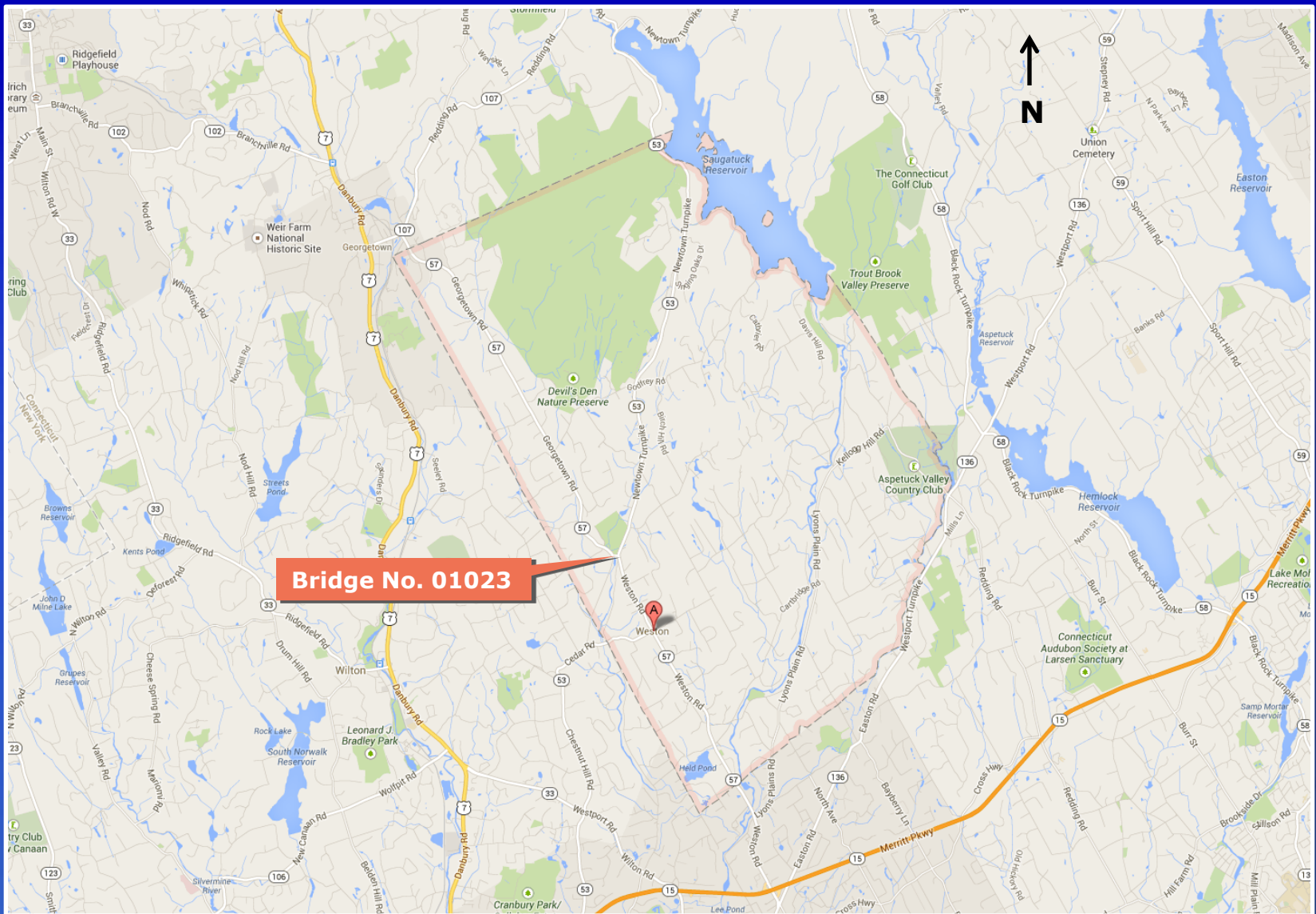
- Responsible for design of the subject project



Project Goals

- **Replace bridge to a state of good repair**
- **Create a hydraulically adequate crossing at project site**
- **Minimize disturbance to traveling public**
- **Complete construction in a timely manner**
- **Effectively use funds**

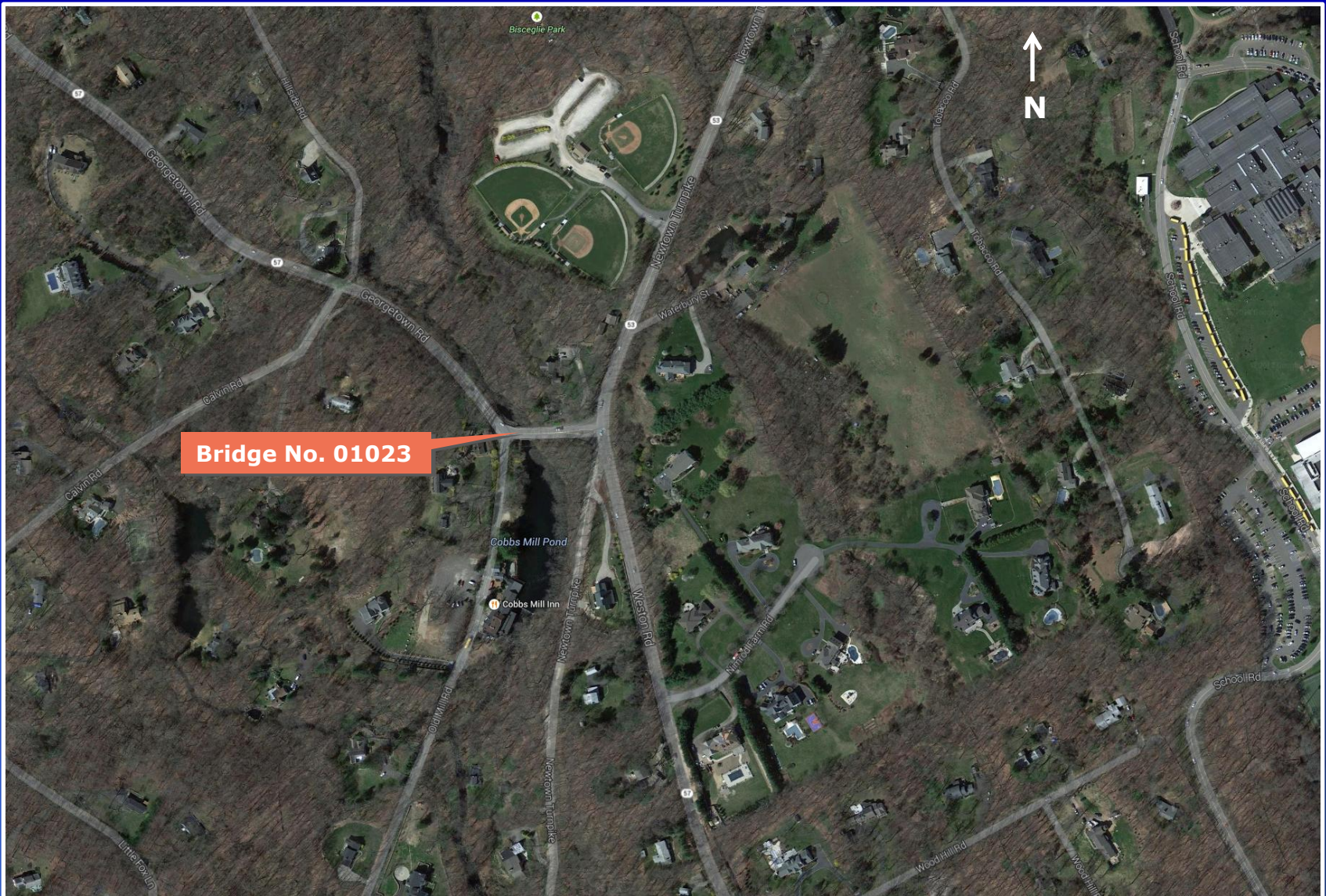




Project Location

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Aerial View

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Route 57
Looking East

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Upstream Elevation

Looking South

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Reasons for Project

Poor condition of concrete arch



Functionally obsolete

Environmental Considerations

Project authorization under the following permits is anticipated:

- **DEEP Flood Management Certification Approval**
- **DEEP Inland Wetlands and Watercourses Permit**
- **U.S. Army Corps of Engineers Programmatic General Permit**



Utility Coordination

Aerial utilities run along the south side of structure

Relocation is not required as a result of this project



Connecticut Department of Transportation

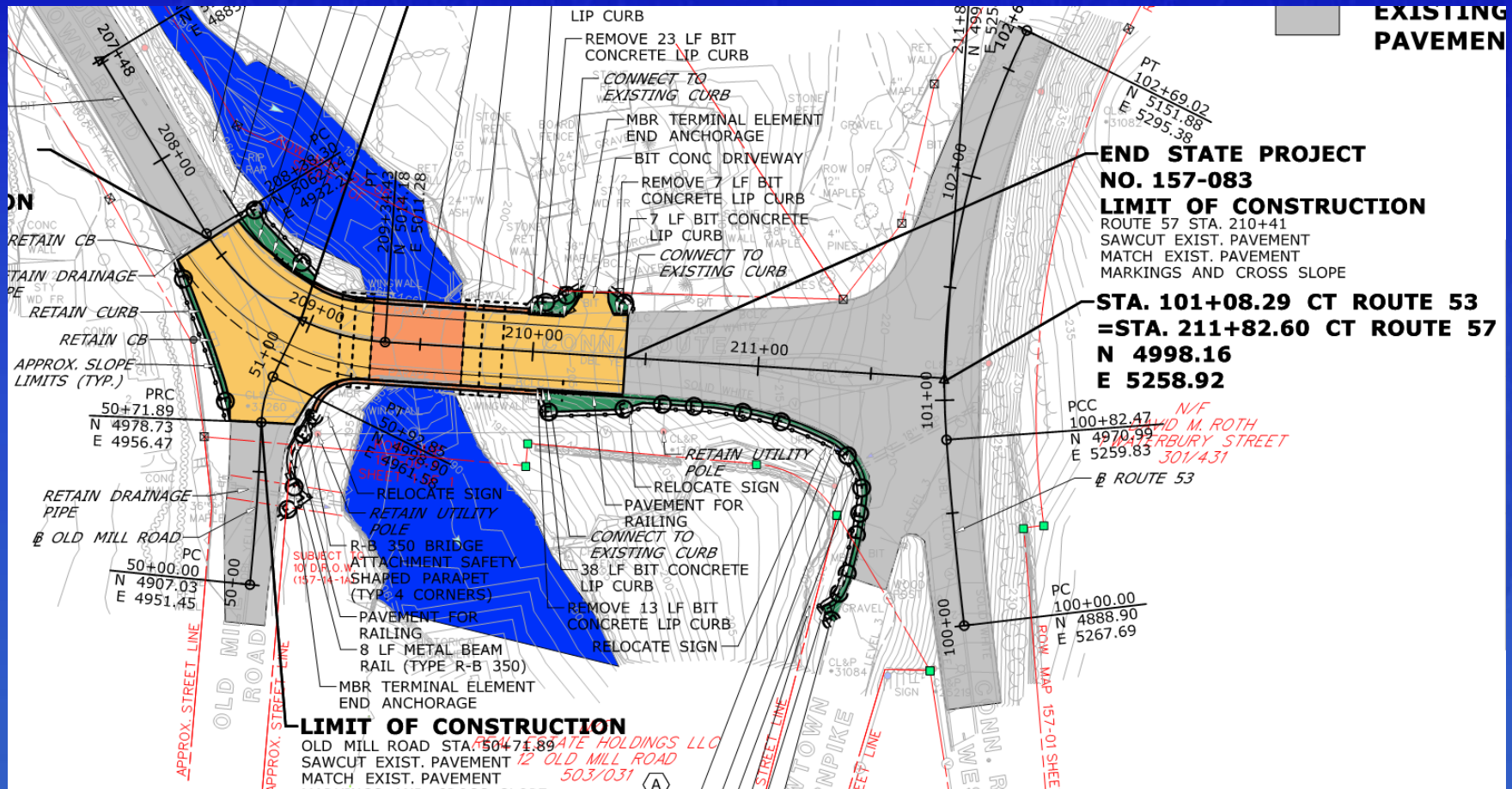


Proposed Roadway

- **Approximately 200 feet of roadway reconstruction on Route 57**
- **Reconstruction of intersection of Route 57 and Old Mill Road**
- **Maintain existing horizontal and vertical alignment**
- **Widen roadway from 31.83 feet to 34 feet**
- **Upgrades to approach railing**



Proposed Roadway

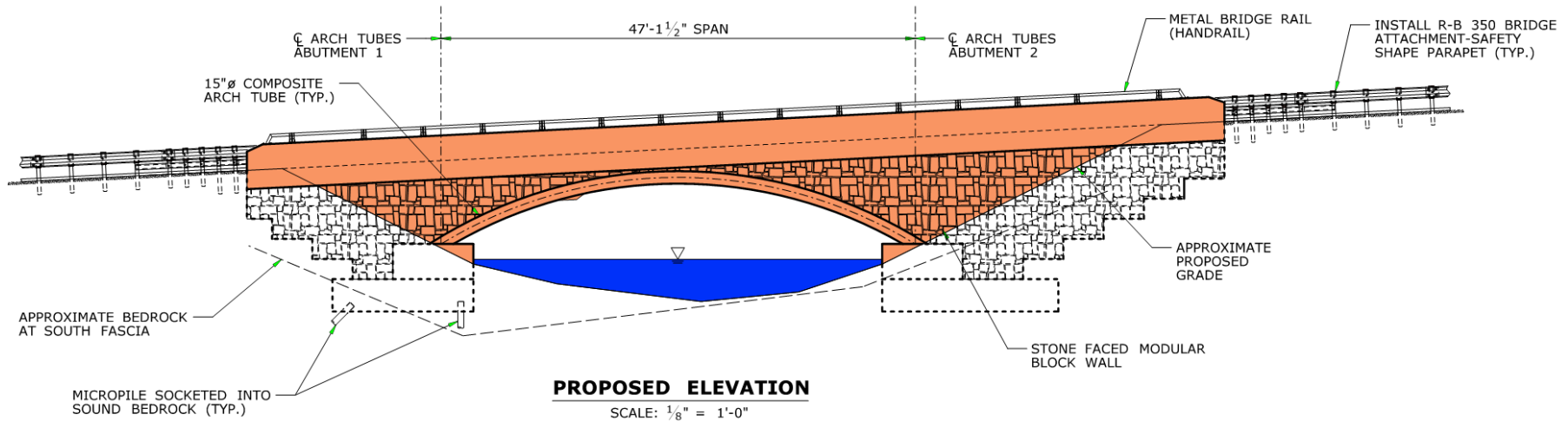


Proposed Bridge

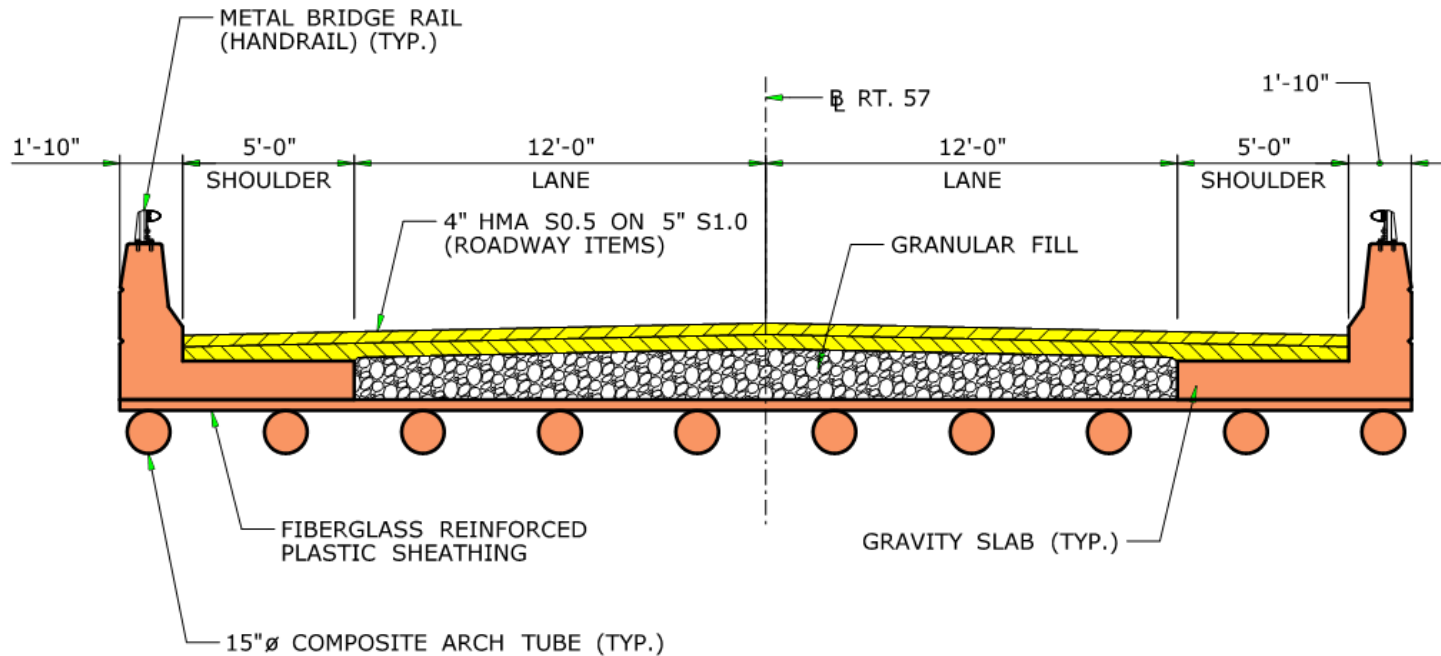
- **Increase span to 40 feet**
- **Composite Concrete Arch System**
- **Abutments founded on bedrock and micropiles**
- **Improved hydraulic adequacy**



Proposed Bridge



Proposed Bridge



PROPOSED SECTION

SCALE: $\frac{1}{4}" = 1'-0"$

Bridge-in-a-Backpack



Construction Staging

Bridge to be closed to traffic during construction:

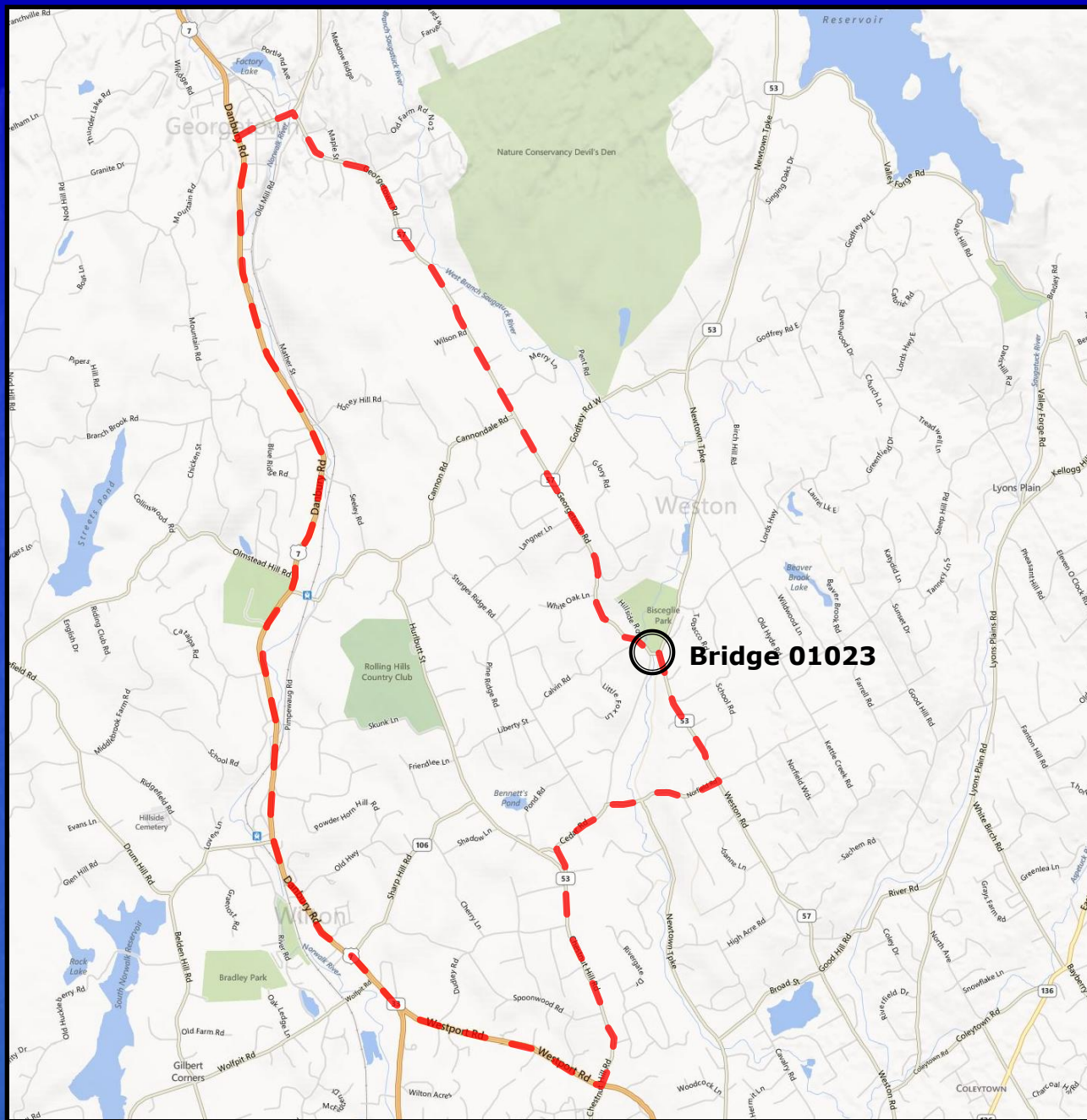
- **Short term closure, 1 to 2 months, of Route 57 at project site with detour via Route 53, Route 7 and Route 33**
- **Single lane off-peak closures prior to and after complete closure of Route 57 for certain construction activities**



Detour Benefits

- **Single stage construction will minimize the construction duration, especially given allowable “in-water” windows**
- **Single stage construction is less complicated and does not require maintaining traffic on partially demolished existing arch structure**
- **Reduced construction time will result in cost savings**





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Project Schedule & Cost

Bridge No. 01023: Spring 2015 Construction

**\$2,250,000 including incidentals and
contingency (100% State Funding)**

****Predicated upon the issuance of the required environmental
permits and the availability of funding.***



THANK YOU...

***FOR YOUR TIME AND
ATTENTION***

Connecticut Department of Transportation

